

Title (en)
CLOSING SYSTEM FOR A DOOR OF THE FUEL TANK

Title (de)
SCHLIESSSYSTEM FÜR EINE TÜR DES KRAFTSTOFFTANKS

Title (fr)
SYSTÈME DE FERMETURE D'UNE PORTE DE RÉSERVOIR DE CARBURANT

Publication
EP 3318438 B1 20190227 (EN)

Application
EP 17196476 A 20171013

Priority
IT 201600104772 A 20161018

Abstract (en)
[origin: EP3318438A1] A closing system (100) comprises a module (101) having a tubular body (102) with a duct (103) suitable for communicating with a fuel tank of a vehicle; a door (105) hinged to the body (102) of the module, and a lock (C) mounted in the body (102) of the module. The lock (C) comprises: a box (1) comprising a shell (10) and a lid (11), a closing pin (2) suitable for fastening said pin (110) of the door, a spring (M) that stresses the closing pin, a cam (3) obtained in the closing pin, a follower (I) with a tip that acts in said cam (3), a latch (6) that engages and locks the closing pin (2), an actuator (5) suitable for actuating the latch, and an emergency mechanism (E) that can be manually actuated by the user to unlock the closing pin from the latch.

IPC 8 full level
B60K 15/05 (2006.01)

CPC (source: BR CN EP US)
B60K 15/05 (2013.01 - BR CN EP US); **E05B 63/22** (2013.01 - BR US); **E05B 81/08** (2013.01 - BR US); **E05B 81/16** (2013.01 - BR CN US); **E05B 81/90** (2013.01 - BR CN US); **E05B 83/34** (2013.01 - BR CN US); **E05B 85/00** (2013.01 - CN); **B60K 2015/0515** (2013.01 - CN); **B60K 2015/053** (2013.01 - BR EP US); **B60K 2015/0561** (2013.01 - CN); **B60K 2015/0569** (2013.01 - BR US); **B60K 2015/0584** (2013.01 - BR EP US); **E05B 81/06** (2013.01 - CN); **E05Y 2900/534** (2013.01 - BR US)

Cited by
WO2022017813A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 3318438 A1 20180509; EP 3318438 B1 20190227; BR 102017022377 A2 20180612; CN 108001214 A 20180508; ES 2739216 T3 20200129; IT 201600104772 A1 20180418; MX 2017013372 A 20180927; PL 3318438 T3 20190830; US 10384534 B2 20190820; US 2018105036 A1 20180419

DOCDB simple family (application)
EP 17196476 A 20171013; BR 102017022377 A 20171017; CN 201710962329 A 20171017; ES 17196476 T 20171013; IT 201600104772 A 20161018; MX 2017013372 A 20171017; PL 17196476 T 20171013; US 201715719822 A 20170929